

Title (en)  
CATALYST COMPOUNDS AND USE THEREOF

Title (de)  
KATALYSATORVERBINDUNGEN UND IHRE VERWENDUNG

Title (fr)  
COMPOSÉS CATALYSEURS ET APPLICATION ASSOCIÉE

Publication  
**EP 2493934 A4 20130710 (EN)**

Application  
**EP 10828782 A 20101020**

Priority

- EP 09178612 A 20091210
- US 25575009 P 20091028
- US 2010053368 W 20101020
- EP 10828782 A 20101020

Abstract (en)  
[origin: US2011098425A1] This invention relates to Group 4 catalyst compounds containing di-anionic tridentate nitrogen/oxygen based ligands. The catalyst compounds are useful, with or without activators, to polymerize olefins, particularly  $\alpha$ -olefins, or other unsaturated monomers. Systems and processes to oligomerize and/or polymerize one or more unsaturated monomers using the catalyst compound, as well as the oligomers and/or polymers produced therefrom are also provided.

IPC 8 full level  
**C07F 7/00** (2006.01); **C07F 7/28** (2006.01)

CPC (source: EP US)  
**C07F 7/00** (2013.01 - EP US)

Citation (search report)

- [Y] JP 2004346268 A 20041209 - JAPAN POLYPROPYLENE CORP
- [Y] EP 0950667 A2 19991020 - MITSUI CHEMICALS INC [JP]
- [Y] LINDEN VAN DER A ET AL: "POLYMERIZATION OF  $\alpha$ -OLEFINS AND BUTADIENE AND CATALYTIC CYCLOTRIMERIZATION OF 1-ALKYNES BY A NEW CLASS OF GROUP IV CATALYSTS. CONTROL OF MOLECULAR WEIGHT AND POLYMER MICROSTRUCTURE VIA LIGAND TUNING IN STERICALLY HINDERED CHELATING PHENOXIDE TITANIUM AND ZIRCONIUM SPECIES", JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol. 117, no. 11, 1 January 1995 (1995-01-01), pages 3008 - 3021, XP000887019, ISSN: 0002-7863
- See references of WO 2011056428A2

Cited by  
CN113649067A

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
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**US 90852210 A 20101020**; CN 201080049100 A 20101020; EP 10828782 A 20101020; US 2010053368 W 20101020